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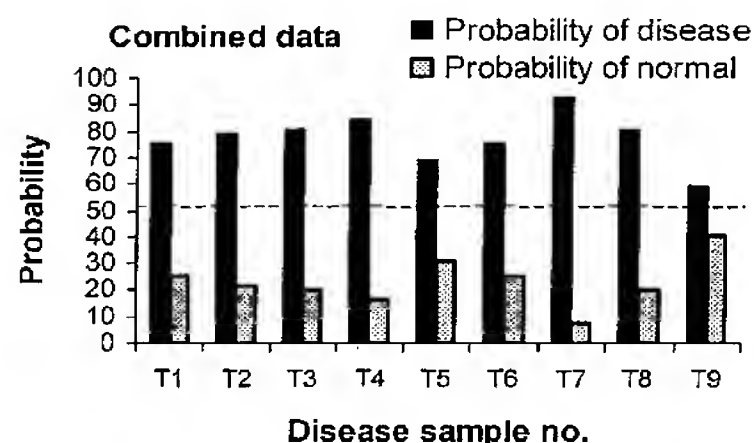
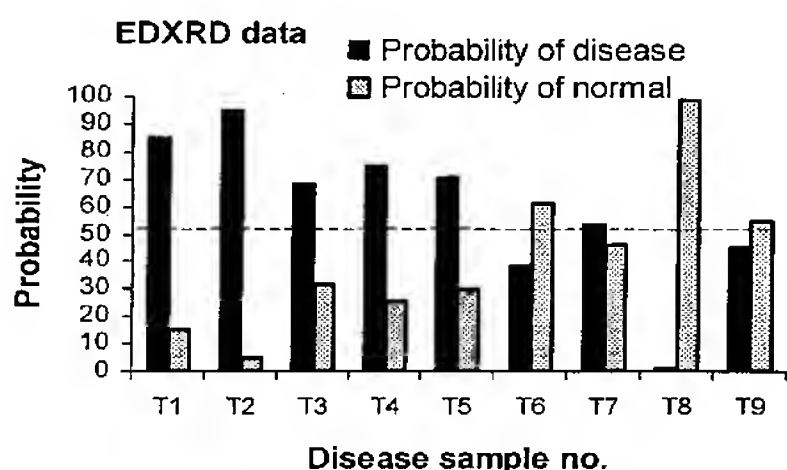
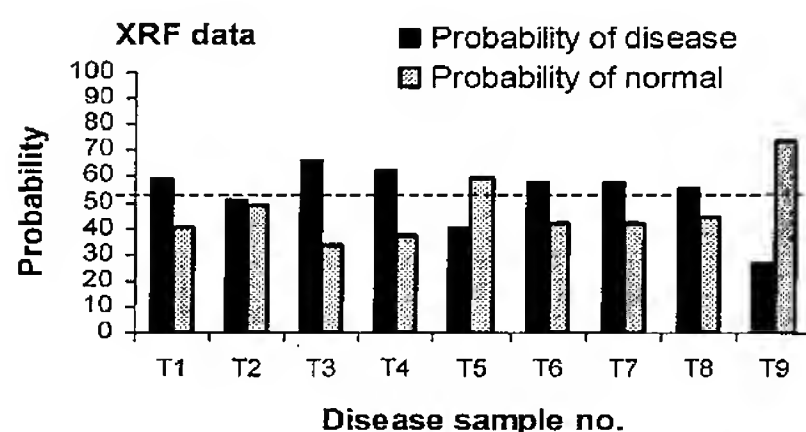
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(54) Title: USE OF COMPTON SCATTERING OR USE OF THE COMBINATION OF XRF (X-RAY FLUORESCENCE) AND  
EDXRD (ENERGY-DISPERSIVE X-RAY DIFFRACTION) IN CHARACTERIZING BODY TISSUE, FOR EXEMPLE BREAST  
TISSUE



(57) Abstract: The present invention describes a method for analysing body tissue, the method consisting of obtaining XRF - data representing a first measured tissue property of a body tissue sample and obtaining EDXRD - data representing a second, different tissue property of the tissue sample, and using the data in combination to provide an analysis of the tissue sample. A method is also described for characterising body tissues as normal or abnormal. The present invention also describes a method for analysing and/or characterising body tissue by obtaining Compton scatter data measured from a body tissue sample on which a penetrating radiation beam is incident and using the data to provide an analysis and/or characterisation of the tissue sample.



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